Stealth pedal

MIDI Control

User Manual

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StealthPedal™ MIDI Control

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StealthPedal™ MIDI Control

Presets. Saves and recalls your choice of MIDI setups.

Setup and Assignment. Assign MIDI messages to all StealthPedal controls.

Control. Your StealthPedal can control MIDI virtual instuments and effects.

Monitor. You can always check which MIDI messages are being sent.

Flexibility. Each StealthPedal control can send specific MIDI messages on differen channels.

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StealthPedal™ MIDI Control

Chapter 1 StealthPedal MIDI Control application introduction

Thank you for your purchase of StealthPedal. StealthPedal can be used as a MIDI controller for your preferred MIDI application.

StealthPedal's MIDI Control application allows the user to assign any of StealthPedal's controls (Foot Switches or Expression Pedals) to control any MIDI parameter in your preferred applications. Additionally, users can Save and Recall presets for use with multiple applications and/or multiple setups within the same application.

StealthPedal™ MIDI Control

Chapter 2 How the StealthPedal MIDI Control application works

The StealthPedal MIDI Control application allows you to control your preferred MIDI application's parameters by moving the physical controllers on the StealthPedal Hardware.

To allow this the StealthPedal is "seen" by MIDI compatible applications as a MIDI Input port called "IK StealthPedal MIDI".

When the StealthPedal MIDI Control application is open the data relating to any StealthPedal control movement is sent to the IK StealthPedal MIDI input port so that any MIDI compatible application will be able to see and get data from it.

2.1 How to install the StealthPedal MIDI Control application

To install StealthPedal MIDI Control application insert the CD included in the StealthPedal box and double click the icon named "Install StealthPedal MIDI Control". Follow on-screen instructions.

To Open StealthPedal MIDI Control application in Windows go to:
Start > All Programs > IK Multimedia > StealthPedal > StealthPedal MIDI Control

To Open StealthPedal MIDI Control application in Mac OS X go to:
Applications > StealthPedal MIDI Contol

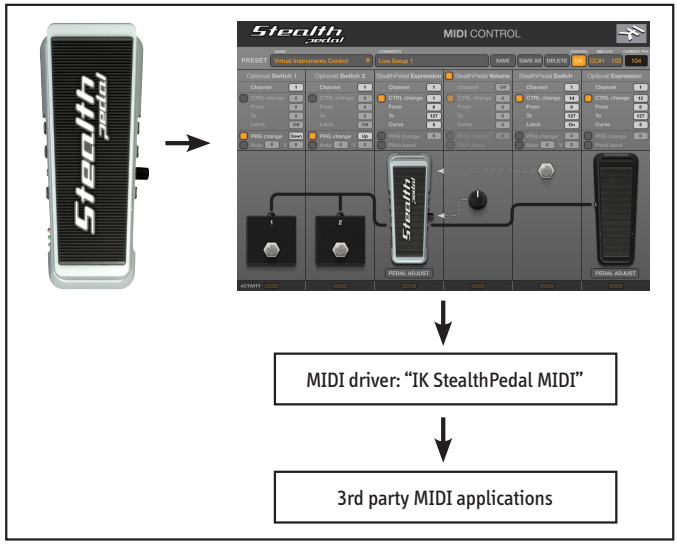

figure 2.1

In order to have your StealthPedal MIDI controls to work within your preferred MIDI application you will:

1) Connect the StealthPedal.

2) Open the StealthPedal MIDI Control application and set it up the way you need MIDI controls to be sent.

3) Setup the MIDI compatible application you want to control so that its MIDI input port is "IK StealthPedal MIDI". Every message that is sent by the StealthPedal MIDI Control app is displayed on the MIDI OUT display and is at the same time is sent to the "IK StealthPedal MIDI" MIDI port (figure 2.2).

figure 2.2

4) Enable Control ON in the StealthPedal MIDI Control application (figure 2.3).

figure 2.3

IMPORTANT: AmpliTube X-GEAR or StealthPedal MIDI Control cannot get data from StealthPedal at the same time. There is a button on both AmpliTube X-GEAR and StealthPedal MIDI Control applications that enables the StealthPedal Control (figure 2.4).

figure 2.4

If you turn this button ON within AmpliTube X-GEAR it will automatically turn OFF in the StealthPedal MIDI Control application and vice-versa, because only one of the Controls can be active at the same time.

2.2 StealthPedal AUDIO

The AUDIO interface functionality of the StealthPedal is totally independent from the control and MIDI interface.

This means that you can freely use StealthPedal MIDI Control to setup MIDI messages to be sent to an application while you use StealthPedal Audio interface with the same or another ASIO or CoreAudio compatible application.

Check the StealthPedal User Manual for additional and specific information on how the StealthPedal Audio Interface works.

Chapter 3 StealthPedal MIDI Control Assignment

3.1 Overview

From the StealthPedal MIDI Control main interface (figure 3.1), you can decide what each StealthPedal control will send out to the MIDI port mentioned in the previous chapter.

figure 3.1

StealthPedal controls can send these types of MIDI messages:

- Continuous Control Changes, with variable range and variable curve, temporary or latched modes (MIDI CCs).
- MIDI Program Changes.
- MIDI Notes, specified note number and velocity.
- Pitch Bend messages.

The last messages sent are continuously monitored on the MIDI OUT display for easy check of what has been setup and how it works (figure 3.2).

figure 3.2

3.2 Switch Assignment

figure 3.3

figure 3.4

figure 3.5

figure 3.6

figure 3.7

figure 3.8

The StealthPedal footswitch (located under the pedal rocker) and both external, optional switches can be configured to send a MIDI CC, a MIDI Program Change or a MIDI Note message.

First of all select which MIDI channel the switches will transmit the selected MIDI message to (figure 3.3).

After this, just select the type of message you want to associate to the individual Switches.

Within this same area you'll also find fields where you can specify all needed parameters for the selected MIDI Message.

If you wish to send Continuous Controllers values (CCs) you will need to select the CC number, and the min-max range (figure 3.4).

When the switch will be preset the Max value will be sent, and vice-versa.

You will also need to select if you would like this switch to work in temporary or latched modes (figure 3.5).

If you wish to send a MIDI Note message, select the Note number and the velocity value (figure 3.6).

If you wish to send a MIDI Program Change select its value on the PRG Change fields (figure 3.7).

The last sent Program Change is always shown on the CURRENT PROG display, and current Program Change is always stored and reloaded when the StealthPedal MIDI Control is closed and reopened (figure 3.8).

Sequential Program Changes

If you want to sent MIDI Program Changes in a sequential way just select UP or DOWN on the PRG Change values fields.

The values in these fields goes from 0 1to 127, with DOWN and UP as the first two values. So scrolling those fields you will have:
Down, Up, 0, 1, 2,.... 127 (figure 3.9).

figure 3.9

To double check everything has been properly setup, activate the switches on the StealthPedal and check the MIDI OUT display to show the message

you need to be sent (figure 3.10).

figure 3.10

3.3 Pedal Assignment

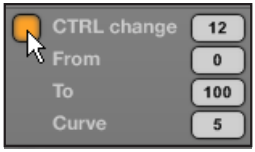

figure 3.11

Both the StealthPedal's built-in Pedal and the external, optional, expression pedal can be configured to send a MIDI CC, a MIDI Program Change or a Pitch Bend message.

First, select which MIDI channel the pedals will transmit the selected MIDI message to. Each StealthPedal control can, if you need to, send MIDI messages to different channels.

Next, select the type of message you want to associate to the pedals.

Within this area you'll also find fields where you can specify all required parameters for the selected MIDI Message.

figure 3.12

If you wish to send Continuous Controllers values (CCs) you will need to select the CC number, and the min-max range.

When the pedal is set at the Heel position the MIN value will be sent. When the pedal is set at the Toe position the MAX value will be sent (figure 3.11).

Normally the Pedal controls the MIDI CC with a linear curve. You might want to change this to a compressed curve or to an expanded one. "Curve" values lower than 5 will give a compressed curve control, higher than 5 will give an expanded one, default is 5 which means linear (figure 3.12).

figure 3.13

If you wish to send a MIDI Pitch Bend message there are no values to be set, the whole Pitch Bend range will be sent over the pedal range (figure 3.13).

figure 3.14

If you wish to send a MIDI Program Change just enter its value, the Program Change message will be sent every time the pedal is moved. Last sent Program Change is always shown on the CURRENT PROG display (figure 3.14).

To double-check that everything has been properly setup, just move the pedals and check the MIDI OUT display to show the message you need to be sent (figure 3.15).

figure 3.15

3.4 Pedal Adjust

Continuous pedals are mechanical devices, and as such can be slightly imprecise or possibly not cover the entire control range.

To precisely adjust their range and action press Pedal Adjust (figure 3.17).

figure 3.17

A small window will open, with two buttons MIN and MAX.

To calibrate the pedal just follow these two simple steps:

- Move the physical pedal to its lower position (Heel) and press MIN (figure 3.18).

figure 3.18

- Move the physical pedal to its higher position (Toe) and press MAX (figure 3.19).

figure 3.19

To double-check the control range is now fully covered by the physical pedal, check the LED meter within the Pedal Adjust window.

To store the Pedal adjustment click OK (figure 3.20).

figure 3.20

3.5 StealthPedal Volume Knob Assignment

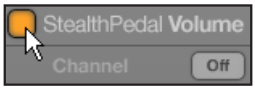

figure 3.21

The StealthPedal Volume knob normally works as a volume control for StealthPedal audio outputs (figure 3.21).

However it can be configured to send a MIDI CC, a MIDI Program Change or a Pitch Bend message.

In these cases the knob will not control the audio Volume anymore, and will instead only act as a continuous MIDI controller.

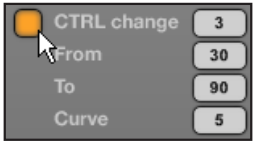

figure 3.22

First, select which MIDI channel the knob will transmit the selected MIDI message to.

Next, select the type of message you want to associate to the knob.

Within this area you'll also find fields where you can specify all required parameters for the selected MIDI Message.

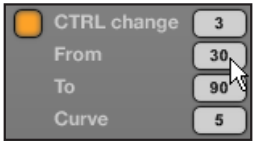

figure 3.23

If you wish to send Continuous Controllers values (CCs) you will need to select the CC number, and the min-max range (figure 3.22).

When the knob is set fully counterclockwise the MIN value will be sent. When the pedal is set fully clockwise the MAX value will be sent)figure 3.23).

figure 3.24

If you wish to send a MIDI Pitch Bend message there are no values to be set, the whole Pitch Bend range will be sent over the knob range (figure 3.24).

If you wish to send a MIDI Program Change just enter its value, and the Program Change message will be sent every time the knob is moved. The

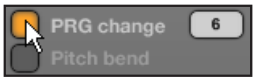

figure 3.25

last sent Program Change is always shown on the CURRENT PROG display (figure 3.25).

To double check everything has been properly setup, just move the knob on the StealthPedal and check the MIDI OUT display to show the message you need to be sent (figure 3.26).

figure 3.26

Chapter 4 Save and Load MIDI assignment presets

You can save as many configurations as you want for the StealthPedal MIDI Control application, so that you can easily load the preferred and most suitable one depending on your specific need.

To save a preset, once all controls are set the way you want, press the SAVE or SAVE AS buttons (figure 4.1).

figure 4.1

By pressing SAVE you will be asked to replace the existing preset (if you loaded one before).

If a preset was not previously loaded a SAVE AS window will open. By pressing SAVE AS you will be asked to save the preset with a new name (figure 4.2).

figure 4.2

To load a preset previously saved just click on the Preset menu (figure 4.3).

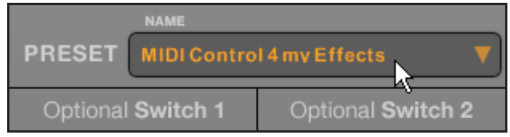

figure 4.3

Now select a preset from the list (figure 4.4).

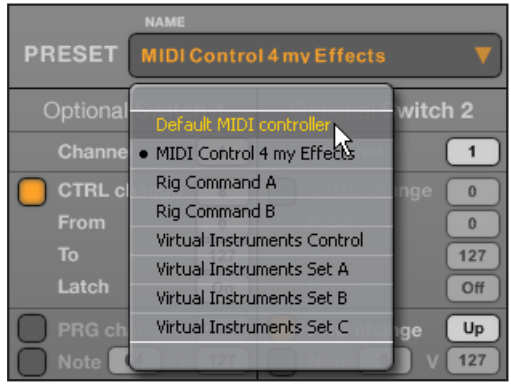

figure 4.4

If you need to delete a preset just load it and click on DELETE (figure 4.5).

figure 4.5

4.1 Presets Comments

It is possible to add a comment to each preset you save, to better describe it for future reference and info.

To add a comment to a preset just click in the Comments field and start typing (figure 4.6).

figure 4.6

When you finished entering your comment just save the Preset by pressing SAVE.

The StealthPedal MIDI Control application will automatically load last used preset at startup, so that you don't need to always recall a preset when starting the MIDI Control.

Chapter 5 Troubleshooting

I can't control my MIDI applications.

Are all StealthPedal drivers installed and properly working?

Is the StealthPedal MIDI Control application open and running? MIDI messages are NOT sent if this application is not running.

Is the input MIDI port on the application you're going to control set to "IK StealthPedal MIDI"?

Check the CONTROL ON button is pressed on the StealthPedal MIDI Control application.

I can't turn CONTROL ON even if I click on it.

Are all StealthPedal drivers installed and properly working?

Is the StealthPedal connected to a working USB port?

I can't adjust the audio output volume of the StealthPedal with the volume knob.

Set the StealthPedal knob on "StealthPedal Volume" on the StealthPedal MIDI Control application.

StealthPedal MIDI Control works, but I can't get audio from the StealthPedal.

Check the StealthPedal User Manual for additional and specific information on how the StealhPedal Audio Interface works.

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IK Multimedia Production, Via dell'industria 46, 41122, Modena, Italy.
Phone: +39-059-285496 - Fax: +39-059-2861671
IK Multimedia US LLC, 1153 Sawgrass Corporate Pkwy. Sunrise, FL 33323
Phone: (954) 846-9101 - Fax: (954) 846-9077
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